

Application No. 10/697,952
Filed: October 30, 2003
TC Art Unit: 2652
Confirmation No.: 7613

THE CLAIMS**BEST AVAILABLE COPY**

1. (Previously Presented) A disk drive, comprising:
a chassis case,
a disk tray which supports a disk-shaped recording medium and is movable between a loading position in said chassis case and an unloading position outside of said chassis case, and
a pressing means set between said chassis case and said disk tray to generate a pressing force for pressing said disk tray in the direction perpendicular to the recording medium by using said chassis case as a reaction point when loading the disk tray;
said pressing means comprising a roller supported by either of said chassis case and said disk tray, and provided with a roller surface contacting the other of said chassis case and said disk tray;
wherein said pressing means presses said disk tray in the direction perpendicular to the recording medium when said disk tray is in the loading position.
2. (Currently Amended) The disk drive according to ~~claims 1, 8, 9, or 10~~ claim 1, wherein
the pressing force is generated by a roller elastically supported so that a rolling surface is exposed from the surface of said disk tray and by a slider of a side arm.
3. (Canceled)
4. (Currently Amended) The disk drive according to ~~claims 1, 8, 9, or 10~~ claim 1, wherein

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said pressing means does not generate the pressing force against said disk tray when said disk tray is located at the unloading position, and said pressing means generates the pressing force against said disk tray when said disk tray is located at the loading position.

5. (Canceled)

6. (Canceled)

7. (Previously Presented) The disk drive according to claim 9, said disk tray comprising a main body portion having a dimensional shape from which a part of the recording medium protrudes and the side arm portion extending along the recording medium protruded from the main body portion,

said chassis case comprising a convex housing portion for housing the recording medium protruding from the main body portion of said disk tray and the side arm portion of said disk tray, and

said pressing means is set between the side arm portion of the disk tray and the housing convex portion of the chassis case.

8. (Currently Amended) A The disk drive according to claim 1, further comprising:

~~a chassis case,~~

~~a disk tray which supports a disk shaped recording medium and is movable between a loading position in said chassis case and an unloading position outside of said chassis case,~~

~~a pressing means set between said chassis case and said disk tray to generate a pressing force for pressing said disk tray in~~

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~~the direction perpendicular to the recording medium by using said chassis case as a reaction point when loading the disk tray, and~~

a disk support means disposed in the disk tray, the disk support means rotatably supporting the recording medium,

wherein said pressing means generates the pressing force against said disk tray while said disk tray moves from the unloading position to the loading position and before the disk support means enters said chassis case, and

said pressing means presses said disk tray in the direction perpendicular to the recording medium when said disk tray is in the loading position.

9. (Currently Amended) ~~A~~ The disk drive according to claim 1, comprising:

~~a chassis case,~~

~~a disk tray which supports a disk shaped recording medium and is movable between a loading position in said chassis case and an unloading position outside of said chassis case, and~~

~~a pressing means set between said chassis case and said disk tray to generate a pressing force for pressing said disk tray in the direction perpendicular to the recording medium by using said chassis case as a reaction point when loading the disk tray,~~

wherein said pressing means has further comprises a contact face tilting in both directions of the direction perpendicular to the recording medium and a radial direction of the recording medium and a contact portion contacting with the contact face, and generates the pressing force in the direction substantially perpendicular to the contact face against said disk tray, and

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said pressing force presses said disk tray by a component force parallel to the surface of the recording medium and a component force perpendicular to the surface of the recording medium.

10. (Currently Amended) A disk drive, comprising:

a chassis case,

a disk tray which supports a disk-shaped recording medium and is movable between a loading position in said chassis case and an unloading position outside of said chassis case,

a pressing means set between said chassis case and said disk tray to generate a pressing force for pressing said disk tray in the direction perpendicular to the recording medium by using said chassis case as a reaction point; and

a disk support means disposed in the disk tray, the disk support means rotatably supporting the recording medium;

wherein said pressing means comprises a roller supported by either of said chassis case and said disk tray, and provided with a roller surface contacting the other of said chassis case and said disk tray, and said pressing means generates the pressing force against said disk tray while said disk tray moves from the unloading position to the loading position and before the disk support means enters said chassis case.